

Appl. No. 10/726,174
Response Dated September 14, 2005
Reply to Office action dated June 14, 2005

Amendments to the Claims:

This listing of claims will replace all prior versions and listings of claims in the application:

Listing of Claims

1. (currently amended) A method of modifying one or more parameters of a programmable HVAC controller, the HVAC controller having a user interface, the method comprising steps of:

allowing a user to modify at least one of the one or more parameters via the user interface;

allowing a user to indicate that parameter modification is complete;

saving the at least one modified parameter; and

providing an indication to the user via the user interface that the one or more modified parameters have been or will be saved.

2. (original) The method of claim 1, wherein the user interface comprises an alpha numeric display.

3. (original) The method of claim 1, wherein the user interface comprises a keypad.

4. (original) The method of claim 1, wherein the user interface comprises a touch screen.

5. (original) The method of claim 1, wherein the HVAC controller operates a heating schedule.

6. (original) The method of claim 1, wherein the HVAC controller operates a cooling schedule.

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7. (original) The method of claim 1, wherein the HVAC controller operates a ventilating schedule.

8. (original) The method of claim 1, further comprising an initial steps of displaying a plurality of parameters and allowing the user to select one or more parameters for modification via the user interface.

9. (original) The method of claim 8, wherein displaying the plurality of parameters comprises displaying the parameters on an alpha numeric display.

10. (original) The method of claim 8, wherein the allowing step of allowing the user to select at least one of the parameters for modification comprises accepting an input via the user interface.

11. (original) The method of claim 8, wherein the allowing step of allowing the user to select at least one of the parameters for modification comprises accepting an input from a touch screen or a keypad.

12. (currently amended) The method of claim 1, wherein the allowing step of allowing the user to indicate that parameter modification is complete is accomplished by touching a button ~~modify at least one of the one or more parameters comprises accepting an aural command.~~

13. (original) The method of claim 1, wherein the allowing step of allowing the user to modify at least one of the one or more parameters comprises accepting an indication from the user via the user interface that a new value for the one or more parameters have been provided.

14. (original) The method of claim 1, wherein the one or more parameters comprises

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a temperature setpoint.

15. (original) The method of claim 1, wherein the one or more parameters comprises a humidity setpoint.

16. (original) The method of claim 1, wherein the one or more parameters comprises a time setting.

17. (original) The method of claim 16, wherein the time setting comprises a start time for one or more of a wake period, a leave period, a return period, or a sleep period.

18. (original) The method of claim 1, wherein the one or more parameters comprises a date setting.

19. (original) The method of claim 1, wherein at least selected ones of the one or more parameters comprises in combination a time setting and a temperature setting.

20. (original) The method of claim 1, wherein at least selected ones of the one or more parameters comprises in combination a time setting and a fan setting.

21. (original) The method of claim 1, wherein at least selected ones of the one or more parameters comprises in combination a time setting and an equipment selection setting.

22. (currently amended) The method of claim 1, wherein at least selected ones of the parameters comprise[[s]] in combination a time setting and an equipment on/off setting.

23. (original) The method of claim 1, wherein the providing step of providing an indication that the one or more modified parameters have been or will be saved comprises

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providing the indication before saving the one or more modified parameters.

24. (original) The method of claim 1, wherein the providing step of providing an indication that the one or more modified parameters have been or will be saved comprises providing the indication after saving the one or more modified parameters.

25. (original) The method of claim 1, wherein the providing step of providing an indication that the one or more modified parameters have been or will be saved comprises providing the indication simultaneously with saving the one or more modified parameters.

26. (currently amended) The method of claim 1, wherein the providing step of providing an indication that the one or more modified parameters have been or will be saved comprises providing a visual confirmation message.

27. (currently amended) The method of claim 26, wherein the visual confirmation message comprises a text message on an alpha numeric display or a touch screen.

28. (currently amended) The method of claim 26, wherein the visual confirmation message comprises a graphical message or icon on a graphical display.

29. (currently amended) The method of claim 1, wherein the providing step of providing an indication that the one or more modified parameters have been or will be saved comprises providing an audio confirmation message.

30. (original) The method of claim 1, wherein the providing step of providing an indication that the one or more modified parameters have been or will be saved comprises displaying in combination a confirmatory message and at least one of the modified parameters.

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31. (original) The method of claim 30, wherein a time setting is displayed in combination with the confirmatory message.

32. (original) The method of claim 30, wherein a day setting is displayed in combination with the confirmatory message.

33. (currently amended) An HVAC controller comprising a user interface, the HVAC controller configured to:

allow a user to modify one or more parameters via the interface;

allow a user to indicate that parameter modification is complete;

save [[the]] a modified parameter; and

provide an indication via the user interface that the one or more modified parameters have been or will be saved.

34. (original) The HVAC controller of claim 33, wherein the interface comprises at least one of an alpha numeric display, a touch screen and a keypad.

35. (original) The HVAC controller of claim 33, wherein the interface comprises at least one of a graphical display, a touch screen and a keypad.

36. (original) The HVAC controller of claim 33, wherein the HVAC controller comprises a thermostat.

37. (original) The HVAC controller of claim 33, further configured to display a plurality of parameters and to permit the user, via the interface, to select a parameter for modification.

38. (original) The HVAC controller of claim 33, wherein the HVAC controller

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accepts an input from a keypad or touch screen to allow the user to modify the one or more parameters via the interface.

39. (currently amended) The HVAC controller of claim 33, wherein the HVAC controller includes a button that is touched by the user to indicate that parameter modification is complete ~~accepts an aural input to allow the user to modify the one or more parameters via the interface.~~

40. (original) The HVAC controller of claim 33, wherein the one or more parameters comprises a temperature setpoint.

41. (original) The HVAC controller of claim 33, wherein the one or more parameters comprises a humidity setpoint.

42. (original) The HVAC controller of claim 33, wherein the one or more parameters comprises in combination a time setting and a temperature setting.

43. (original) The HVAC controller of claim 33, wherein the one or more parameters comprises in combination a time setting and a fan setting.

44. (original) The HVAC controller of claim 33, wherein the one or more parameters comprises in combination a time setting and a humidity setting.

45. (original) The HVAC controller of claim 33, wherein the one or more parameters comprises in combination a time setting and an equipment selection setting.

46. (original) The HVAC controller of claim 33, wherein the one or more parameters comprises in combination a time setting and an equipment on/off setting.

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47. (currently amended) The HVAC controller of claim 33, wherein the HVAC controller provides an indication that the one or more modified parameters have been or will be saved by providing a visual confirmation message via the user interface.

48. (currently amended) The HVAC controller of claim 47, wherein the visual confirmation message comprises a text message on an alpha numeric display or a touch screen.

49. (currently amended) The HVAC controller of claim 47, wherein the visual confirmation message comprises a graphical message or icon on a graphical display.

50. (original) The HVAC controller of claim 33, wherein the HVAC controller provides an indication that the one or more modified parameters have been or will be saved by providing an audio message or signal.

51. (original) The HVAC controller of claim 33, wherein the HVAC controller provides an indication that the one or more modified parameters have been or will be saved by displaying in combination a confirmatory message and the one or more modified parameters.

52. (original) The HVAC controller of claim 51, wherein a day setting is displayed in combination with the confirmatory message.

53. (currently amended) A programmable controller comprising:
display means configured to simultaneously display a plurality of parameters;
receiving means to receive from a user an indication of which parameters are to be edited;
setting means to receive from a user a new setting for at least one of the indicated parameters;

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completion means to receive from a user an indication that editing is complete; and
informing means to inform the user that the new setting has been or will be saved;
wherein said completion means is different from the receiving means and the setting means.

54. (currently amended) The programmable ~~thermostat~~ controller of claim 53, wherein the display means comprises an alpha numeric capable display.

55. (currently amended) The programmable ~~thermostat~~ controller of claim 53, wherein the display means comprises a graphical display.

56. (currently amended) The programmable ~~thermostat~~ controller of claim 53, wherein the receiving means and the setting means comprise a touch screen.

57. (currently amended) The programmable ~~thermostat~~ controller of claim 53, wherein the informing means comprises an alpha numeric display.

58. (currently amended) The programmable ~~thermostat~~ controller of claim 53, wherein the informing means comprises a graphical display.

59. (currently amended) The programmable ~~thermostat~~ controller of claim 53, wherein the informing means comprises an aural message.

60. (New) A method of modifying one or more parameters of a programmable HVAC controller, the HVAC controller having a user interface that includes an electronic display, the method comprising steps of:

displaying one or more parameters on the electronic display;
allowing a user to modify at least one of the one or more parameters via the user interface;

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displaying at least one of the one or more modified parameters on the electronic display;
saving the at least one modified parameter; and
providing a confirmation message on the electronic display that the one or more modified parameters have been or will be saved, the confirmation message being different from the one or more modified parameters that are displayed.

61. (New) The method of claim 60 further comprising the step of allowing a user to indicate via the user interface that parameter modification is complete prior to providing the confirmation message.

62. (New) The method of claim 60, wherein the confirmation message includes the message "Saving Changes".

63. (New) The method of claim 60 wherein the confirmation message is provided at the same time that the one or more modified parameters are displayed.

64. (New) The method of claim 60 wherein at least one of the one or more modified parameters are not displayed at the same time as the confirmation message.

65. (New) The method of claim 64 wherein none of the one or more modified parameters are displayed at the same time as the confirmation message.

66. (New) The method of claim 60 wherein the confirmation message is provided on the electronic display for at least one second.

67. (New) The method of claim 66 wherein the confirmation message is provided on the electronic display for at least five seconds.